

App. No. 10/089,402
Reply to Office action of Nov. 2, 2004

IN THE SPECIFICATION

Please amend the title on page 1, lines 1-5 as follows:

DESCRIPTION

OPTICAL RECORDING MEDIUM, SUBSTRATE, ~~FOR OPTICAL~~
~~RECORDING MEDIUM AND DEVICE FOR RELIABLE ADDRESS~~
~~REPRODUCTION USING SUM AND/OR DIFFERENCE SIGNALS OPTICAL DISK~~
~~DEVICE~~

Please replace the paragraph beginning at page 3, line 36 with the following amended paragraph:

In order to achieve the aforementioned objects, an optical recording medium (or a substrate for the optical recording medium) of the present invention is an optical recording medium (or a substrate for the optical recording medium) employment in the intermediate address method, in which an address pit width (namely, a length of an address pit in an intermediate position of a depth (or a height) of a concave or a convex of the address pit in a radial direction of the recording medium) W satisfies the relationship:

$$W = k \cdot T_p / (\lambda / NA)$$

$$0.40 \mu\text{m} \leq k \leq 0.68 \mu\text{m}$$

with respect to a laser wavelength λ an a numeral aperture NA of an objective lens of an optical head of an optical disk device being used, and a track pitch T_p of the recording medium. According to this configuration, address information can be reproduced with reliability using either a sum signal or a difference signal of electric signals output from light receiving parts, divided into two parts in a direction parallel to tracks, of a photodetector provided in the optical head of the optical disk device, thereby enhancing compatibility of the optical disk device being used.

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Please replace the paragraph beginning at page 10, line 15 with the following amended paragraph:

It is conceivable that even if a pit width does not fall within the range employed in the above test, the aforementioned condition can be satisfied when a pit and a laser beam are optically similar in shape to those employed in the test. Thus, the address pit width W that was determined as a preferable width in the test falls within the range satisfying the following relationship:

$$W = k \cdot T_p / (\lambda / NA)$$

$$0.40 \mu m \leq k \leq 0.68 \mu m$$

with respect to a track pitch TP and (λ / NA) representing a spot diameter of a laser beam.